

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NIPPON COLUMBIA CO LTD

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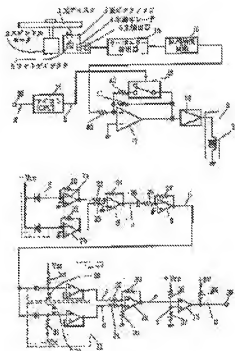
(72)Inventor : ARAI SHINICHI

(54) OPTICAL RECORDING AND REPRODUCING DEVICE

(57)Abstract:

PURPOSE: To preserve the performance of a focus servo to a fixed level by discriminating a recorded part and an unrecorded part on an optical recording medium and controlling a focus servo gain based on the discriminated result.

CONSTITUTION: The reflectance is reduced in a part where a bit is formed on an optical disk 1 compared with a part where no bit is formed. Then, a signal (g) of an 'L' in the recorded part and an 'H' in the unrecorded part is obtained based on the output of a photodetector 6 through bottom/peak hold circuits 10, 11 to be supplied to a microcomputer 14. By the microcomputer 14, an analog switch 43 is turned off when the signal (g) is the 'L', and an amplifier 17 is set by gain resistors 40, 41 to decide the servo gain. The switch 43 is turned on when the signal (g) is the 'H' to reduce the gain of the amplifier 17 by the resistor 42. Thus, regardless of the presence of recording, the focus servo gain is preserved stably.



LEGAL STATUS

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29.06.1993

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12.12.1995

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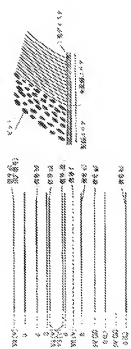
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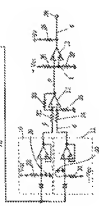
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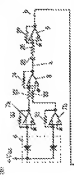
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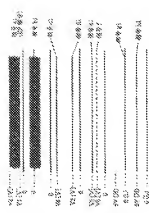
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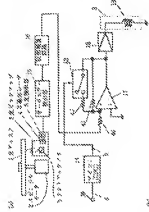
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【13】



【14】

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